	т			r 2
L Numbe		Search Text	DB	Time stamp
1	338	attenuated ADJ bacteria	USPAT;	2003/05/04 10:22
			US-PGPUB;	
			EPO; JPO;	
ł		•	DERWENT	
7	719	bacteriocin	USPAT;	2003/05/04 10:19
/	/13	Dacteriociii	US-PGPUB;	2003/03/04 10.13
			EPO; JPO;	1
			DERWENT	
13	269668	expression	USPAT;	2003/05/04 10:19
			US-PGPUB;	•
			EPO; JPO;	
ļ		•	DERWENT	
19	247999	vector	USPAT;	2003/05/04 10:20
ļ		· .	US-PGPUB;	
			EPO; JPO;	İ
			DERWENT	1
25	28187	lysis	USPAT;	2003/05/04 10:20
23	20107	17313	US-PGPUB;	2003/03/01 10:20
	1		EPO; JPO;	
	1	e e e e e e e e e e e e e e e e e e e	DERWENT	2002/05/04 10:20
31	0	bacteriocin same expression same vector same	USPAT;	2003/05/04 10:20
		lysis	US-PGPUB;	
			EPO; JPO;	
		·	DERWENT	
37	62669	bacteriocin expression same vector	USPAT;	2003/05/04 10:20
		,	US-PGPUB;	
·			EPO; JPO;	,
			DERWENT	
43	20	bacteriocin same expression same vector	USPAT;	2003/05/04 10:20
			US-PGPUB;	
			EPO; JPO;	
		the state of the s	DERWENT	•
49	4	(bacteriocin same expression same vector) and	USPAT;	2003/05/04 10:22
4.5		lysis	US-PGPUB;	2003,03,0110.22
-		17515	EPO; JPO;	<u>.</u>
			DERWENT	•
55	2	6403082.pn.	USPAT;	2003/05/04 10:22
. 55		0403062.pm.	US-PGPUB;	2003/03/04 10.22
		•		
	1 '		EPO; JPO;	
6.1		(-11	DERWENT	
61	0	(attenuated ADJ bacteria) and 6403082.pn.	USPAT;	2003/05/04 10:22
	ľ		US-PGPUB;	
			EPO; JPO;	,
•			DERWENT	
67	70560	attenuated	USPAT;	2003/05/04 10:22
			US-PGPUB;	}
			EPO; JPO;	
			DERWENT	}
73	0	attenuated and 6403082.pn.	USPAT;	2003/05/04 10:23
		•	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
79	1	lysis and 6403082.pn.	USPAT;	2003/05/04 10:26
'		1,000 0.100000.p.m	US-PGPUB,	
			EPO; JPO;	
			DERWENT	
85	538	vibriacia ar microcia ar coliciat		2003/05/04 10:26
03	. 538	vibriocin or microcin or colicin\$	USPAT;	2003/05/04 10:26
			US-PGPUB;	
			EPO; JPO;	1
			DERWENT	

91	85074	cole\$	USPAT;	2003/05/04 10:27
			US-PGPUB;	
:			EPO; JPO;	
			DERWENT	
97	25	expression same vector same (vibriocin or	USPAT;	2003/05/04 10:29
		microcin or colicin\$)	US-PGPUB;	=====================================
		There en or concury)	EPO; JPO;	
			DERWENT	
103	1	expression same vector same (vibriocin or	USPAT;	2003/05/04 10:28
103	1	microcin or colicin\$) same lysis	US-PGPUB;	2003/03/04 10.20
		microciti or concing) same tysis	EPO; JPO;	,
			DERWENT	
109	665	avaragian asma vastar sama salat		2003/05/04 10:29
109	665	expression same vector same cole\$	USPAT;	2003/05/04 10:29
			US-PGPUB;	
		· .	EPO; JPO;	
		·	DERWENT	2002/05/04 40 20
115	0	expression same vector same cole\$ same	USPAT;	2003/05/04 10:30
		(attenuated ADJ bacteria)	US-PGPUB;	
			EPO; JPO;	•
			DERWENT	
121	3	(expression same vector same cole\$) and	USPAT;	2003/05/04 10:32
		(attenuated ADJ bacteria)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
127	45	bacteriocin same (vibriocin or microcin or colicin\$)	USPAT;	2003/05/04 10:33
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
133	1	bacteriocin same (vibriocin or microcin or colicin\$)	USPAT;	2003/05/04 10:34
		same expression same vector	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
139	45	bacteriocin same (vibriocin or microcin or colicin\$)	USPAT;	2003/05/04 10:35
		, and a second () and	US-PGPUB;	
		•	EPO; JPO;	
			DERWENT	
145	60	"I45" and vector	USPAT;	2003/05/04 10:35
1,3		175 and vector	US-PGPUB;	2003/03/04 10.33
			EPO; JPO;	
			DERWENT	
151	46	"I45" and vector and expression	USPAT;	2003/05/04 10:40
131	70	145 and vector and expression	US-PGPUB;	2003/03/04 10.40
			EPO; JPO;	
			DERWENT	
157	0	(attenuated ADI hasteria) same tumor same	USPAT;	2003/05/04 10:45
15/	0	(attenuated ADJ bacteria) same tumor same	•	2003/03/04 10:43
		target\$	US-PGPUB;	
			EPO; JPO;	
160		(althoughed AD1 heathanis) and beathanis in	DERWENT	2002/05/04 10:46
163	1	(attenuated ADJ bacteria) and bacteriocin	USPAT;	2003/05/04 10:46
			US-PGPUB;	
			EPO; JPO;	
150	_		DERWENT	2000/07/2011
169	2	6537558.pn.	USPAT;	2003/05/04 10:47
			US-PGPUB;	
			EPO; JPO;	
		•	DERWENT	
175	1	6537558.pn. and (vibriocin or microcin or colicin\$)	USPAT;	2003/05/04 10:47
			US-PGPUB;	
	:		EPO; JPO;	
		·	DERWENT	

	-	6	TNF\$ and BERMUDES\$.IN.	USPAT;	2003/04/25 14:51
	•			US-PGPUB;	
				EPO; JPO;	-
				DERWENT	
	_	0	TNF\$ and BERMUDES\$.IN. and endostatin	USPAT;	2003/04/25 14:51
	-	١	This and DERITODES \$. 214. and endostatin	US-PGPUB;	2003/04/23 14.31
İ	•			EPO; JPO;	<i>i</i>
				DERWENT	2002/05/04 10 10
	-	713	bacteriocin	USPAT;	2003/05/04 10:19
		•		US-PGPUB;	
				EPO; JPO;	
			•	DERWENT	
	-	0	TNF\$ and BERMUDES\$.IN. and bacteriocin	USPAT;	2003/04/25 14:52
		· ·		US-PGPUB;	
				EPO; JPO;	
				DERWENT	
		20	attenuat\$ and bacteria\$ and bacteriocin	USPAT;	2003/04/25 14:52
		20	accendacy and bacteriay and bacterioem	US-PGPUB;	2003,04,23 14.32
ľ			· ·	EPO; JPO;	
ļ					
			and the state of t	DERWENT	2002/04/25 44:53
	<u>-</u>	4	attenuat\$ and bacteria\$ and bacteriocin and TNF\$	USPAT;	2003/04/25 14:52
				US-PGPUB;	
ı			4	EPO; JPO;	
ļ				DERWENT	
ı	-	337	attenuated ADJ bacteria	USPAT;	2003/05/04 10:19
				US-PGPUB;	·
				EPO; JPO;	
-				DERWENT	
Ì	_	28	(attenuated ADJ bacteria) and TNF\$	USPAT;	2003/04/25 14:54
		20	(accendated ADS Bacteria) and TWI \$	US-PGPUB;	2003/01/23 11.31
1				EPO; JPO;	
Į				DERWENT	
-		6	(attanuated ADI bacteria) and TNEt and		2002/04/25 15:07
	-	0	(attenuated ADJ bacteria) and TNF\$ and	USPAT;	2003/04/25 15:07
-			bacteriocin	US-PGPUB;	
				EPO; JPO;	
ļ	·			DERWENT	
	-	107934	tumor	USPAT;	2003/04/25 15:08
Ì		•		US-PGPUB;	,
1				EPO; JPO;	
			e de la composición dela composición de la composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición dela composición de la composición dela c	DERWENT	
	-	8	(attenuated ADJ bacteria) same tumor	USPAT;	2003/04/25 15:12
ļ				US-PGPUB;	
				EPO; JPO;	
			,	DERWENT	
1	_	1 0	(attenuated ADJ bacteria) same TNF\$	USPAT,	2003/04/25 15:13
ł			(accertabled 7155 baccerta) same 1111 \$	US-PGPUB;	2003/01/20 10120
	* .			EPO; JPO;	
			·	DERWENT	.
			hankadada and (akkanyakad ADI bankada)		2002/04/25 15:15
	-	1	bacteriocin and (attenuated ADJ bacteria)	USPAT;	2003/04/25 15:15
				US-PGPUB;	
				EPO; JPO;	
		·		DERWENT	_
	-	77	bacteriocin and tumor	USPAT;	2003/04/25 15:15
				US-PGPUB;	,
				EPO; JPO;	
				DERWENT	
		9	bacteriocin SAME tumor	USPAT;	2003/04/25 15:17
				US-PGPUB;	. , ==
				EPO; JPO;	
	·			DERWENT	
L					L

••				
-	9860	TNF\$ same tumor	USPAT;	2003/04/25 15:37
	•		US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	12650	anti-tumor	USPAT;	2003/04/25 15:37
	12000	arren carrior	US-PGPUB;	,,
			EPO; JPO;	
		•		
			DERWENT	
-	568	TNF\$ same anti-tumor	USPAT;	2003/04/25 15:37
			US-PGPUB;	
			EPO; JPO;	1
			DERWENT	_
1_	0	TNF\$ same I206.clm.	USPAT;	2003/04/25 15:37
	"	This & Same 1200.cim.	US-PGPUB;	2003,04,23 13.37
			EPO; JPO;	
			DERWENT	
-	52	I13.clm.	USPAT;	2003/04/25 15:38
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	1	anti-tumor and l13.clm.	USPAT;	2003/04/25 15:38
	1	and-tunior and 113.cm.		2003/04/23 13.30
		,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	2347	(tumor ADJ necrosis ADJ factor or TNF).CLM.	USPAT;	2003/04/25 15:39
1			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	007	and turner AND (/human AD) magnetic AD) footor		2003/04/25 15:40
] -	807	anti-tumor AND ((tumor ADJ necrosis ADJ factor	USPAT;	2003/04/23 13.40
		or TNF).CLM.)	US-PGPUB;	
			EPO; JPO;	
	1		DERWENT	-
-	44578	EXPRESSION ADJ VECTOR	USPAT;	2003/04/25 15:40
			US-PGPUB;	·
			EPO; JPO;	
			DERWENT	
_	633	anti-tumor AND ((tumor ADJ necrosis ADJ factor	USPAT;	2003/04/25 15:40
-	033		US-PGPUB;	2003, 0 1, 23 13. 10
:		or TNF).CLM.) and (EXPRESSION ADJ VECTOR)		
		,	EPO; JPO;	
			DERWENT	
-	19	((tumor ADJ necrosis ADJ factor or TNF).CLM.)	USPAT;	2003/04/25 15:57
		SAME (EXPRESSION ADJ VECTOR)	US-PGPUB;	
			EPO; JPO;	
		· · · · · · · · · · · · · · · · · · ·	DERWENT	
1_	0	tumor ADJ inhibitory ADJ enzyme	USPAT;	2003/04/25 15:57
		carnot Abs initiations Abs chayine	US-PGPUB;	
				·
		•	EPO; JPO;	•
1			DERWENT	_ =
-	8	methionase	USPAT;	2003/04/25 15:58
			US-PGPUB;	
		·	EPO; JPO;	
		·	DERWENT	ľ
1.	0	methionase same tumor	USPAT;	2003/04/25 15:58
-		memoriase same carror	US-PGPUB;	
1			EPO; JPO;	
		,	DERWENT	
-	. 0	methionase AND tumor	USPAT;	2003/04/25 15:58
		·	US-PGPUB;	
	1 .	· ,	EPO; JPO;	-
	, ,		DERWENT	

(FILE 'HOME' ENTERED AT 09:42:40 ON 04 MAY 2003)

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FILE 'MEDLINE, PCTFULL' ENTERED AT 09:44:30 ON 04 MAY 2003
           3401 S BACTERIOCÍN
L1
           2104 S TUMOR THERAPY
L2
          0 S L1 (S) L2
L3
        645120 S TUMOR
L4
       336174 S TARGET?
Ļ5
         1 S L1 (S) L4 (S) L5
45 S L1 (L) L4 (L) L5
21607 S L4 (S) L5
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L7
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           1 S L1 (S) L8
          33573 S COLICIN? OR COLE?
          20 S L1 (L) L4 (L) L5 (L) L10
L11
    FILE 'MEDLINE' ENTERED AT 10:02:27 ON 04 MAY 2003
L12 0 S L2 (S) L10
             0 S L2 (L) L10
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     11 S L10 (L) L4 (L) L5
11114 S EXPRESSION VECTOR
L14
L15 ...
     2 S L15 (S) L1
563076 S EVERESION
       563076 S EXPRESSION
85931 S VECTOR
L17
L18
          4 S L17 (S) L18 (S) L1
       90072 S ATTENUAT?
L20
L21
         528517 S BACTERI?
             2 S L20 (L) L21 (L) L1
L22
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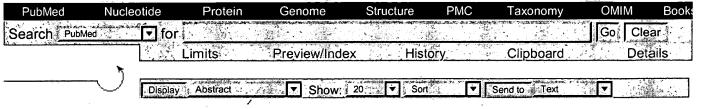
FILE 'USPATFULL, PCTFULL' ENTERED AT 10:15:33 ON 04 MAY 2003
28 S L19

L23 1 S L4 AND L5 AND L23 L24









☐ 1: Mol Gen Genet 1981;183(2):326-32

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Protein H encoded by plasmid Clo DF13 involved in lysis of the bacterial host. II. Functions and regulation of synthesis of the gene H product.

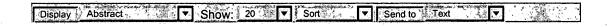
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Hakkaart MJ, Veltkamp E, Nijkamp HJ.

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We studied the expression of gene H, located between 9.3% and 11% on the CLo DF13 genome, as well as the functions of the gene product. We found that treatment of bacterial cells with mitomycin-C results in the induced synthesis of three Clo DF13 specified proteins namely cloacin DF13, immunity protein and protein H. Evidence was obtained that the genes encoding these proteins form one, mitomycin-C induceable, operon; the promoter at 32% in front of the cloacin gene is essential for the induced expression. Furthermore we could demontrate that protein H is involved in the lethal effect of mitomycin-C treatment of bacteriocinogenic cells. The data in this paper show that a high concentration of protein H in cells, due either to an induced expression of gene H (mitomycin-C induction) or to a gene dosage effect (Clo DF13 copl Ts copy control mutant), results in the lysis of bacterial cells. The implication of these data are discussed.

PMID: 7035830 [PubMed - indexed for MEDLINE]



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